

I CLAIM

CLAIMS

1. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, and a top wall and a door opening when assembled, said enclosure sections each having a wall with an abrasion resistant, ceramic particulate-filled resin layer defining an interior surface of said enclosure.

2. The enclosure of claim 1 wherein said wall also has a plurality of fiber reinforced resin layers behind said resin layer.

3. The enclosure of claim 2 wherein at least one of said fiber reinforced resin layers has a color that is different from that of said ceramic particulate-filled resin layer to warn of any penetration of said ceramic particulate-filled resin layer by a person in said enclosure.

4. The enclosure of claim 1 wherein said enclosure sections include cooperating L-shaped flanges integral therewith that are fastened together to assemble said enclosure.

5. The enclosure of claim 4 wherein said cooperating L-shape flanges form an upstanding surface to which a fascia panel is attached.

6. The enclosure of claim 1 wherein at least some of said enclosure sections form an integral furniture feature in said enclosure.

7. The enclosure of claim 6 wherein said furniture feature includes at least one of a bed surface, seat surface, desk surface or shelf surface.

8. The enclosure of claim 1 wherein at least one of said enclosure sections forms an integral bathroom fixture in said enclosure.

9. The enclosure of claim 8 wherein said bathroom fixture includes at least one of a toilet, washbasin, shower, or floor drain.

10. The enclosure of claim 1 wherein the enclosure sections forming the floor of said enclosure include integral feet that rest on a floor of the building.

11. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form a bathroom fixture.

12. The enclosure of claim 11 wherein said bathroom fixture comprises a toilet.

13. The enclosure of claim 12 further including a waste disposal communicated to said toilet for comminuting toilet waste.

14. The enclosure of claim 11 wherein said bathroom fixture comprises a washbasin.

15. The enclosure of claim 14 further including a conduit for communicating said washbasin to a sump chamber on said enclosure.

16. The enclosure of claim 11 wherein said bathroom fixture comprises a floor drain in said floor of said enclosure.

17. The enclosure of claim 16 wherein said floor drain is communicated to a sump chamber on said enclosure.

18. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form bathroom fixtures comprising a toilet communicated to a waste disposal for comminuting toilet waste, a washbasin, and a floor drain, said washbasin and said floor drain communicating to a sump chamber disposed on said enclosure and having a sump pump therein.

19. The enclosure of claim 18 wherein said enclosure includes a camera disposed on a top enclosure section.

20. A modular living enclosure for occupancy by a person, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least one of said enclosure sections being molded to form a furniture feature.

21. The enclosure of claim 20 wherein said furniture feature comprises a bed surface.

22. The enclosure of claim 20 wherein said furniture feature comprises a seating surface.

23. The enclosure of claim 20 wherein said furniture feature comprises a desk surface.

24. A modular living enclosure for occupancy by a prisoner, comprising a plurality of molded plastic enclosure sections that are assembled to define an enclosure floor, four upright side walls, a top wall and a door opening when assembled, at least some of said enclosure sections being molded to form a bathroom feature and a furniture feature in said enclosure.

25. The enclosure of claim 24 wherein said enclosure sections each having a wall with an abrasion resistant, ceramic particulate-filled resin layer defining an interior surface of said enclosure.

26. The enclosure of claim 24 wherein said bathroom feature is selected from at least one of a toilet, washbasin, shower or floor drain.

27. The enclosure of claim 24 wherein said furniture feature is selected from at least one of a bed surface, seat surface, desk surface or shelf surface.

28. The enclosure of claim 24 wherein said enclosure includes a lighting fixture disposed on a top enclosure section.

29. The enclosure of claim 24 wherein said enclosure includes a ventilation fan disposed on a top enclosure section.

30. The enclosure of claim 24 wherein said enclosure includes a monitoring camera disposed on a top enclosure section.

31. The enclosure of claim 24 wherein said enclosure includes a sprinkler disposed on a top enclosure section.

32. The enclosure of claim 31 wherein said enclosure includes holes in a top section beneath said sprinkler.

33. The enclosure of claim 24 wherein said enclosure includes a thermostat disposed on a top enclosure section.

34. The enclosure of claim 24 wherein said enclosure includes an emergency signal switch operable by a person therein.

35. A people housing system, comprising a plurality of individual modular living enclosures as set forth in claim 11 each having an electrical actuator to control water flow to a bathroom fixture in said enclosure and a programmable computer control unit connected to said electrical actuators of said enclosures for controlling said electrical actuators in a manner to control water flow to respective individual enclosures in programmed manner.

36. The housing system of claim 35 wherein said computer control unit controls electrical power to a lighting fixture of respective individual enclosures in programmed manner.

37. The housing system of claim 35 wherein said computer control unit controls electrical power to a ventilation fan of respective individual enclosures in programmed manner.

38. The housing system of claim 35 wherein said computer control unit controls electrical power to a sprinkler of respective individual enclosures in response to a temperature or smoke sensor of respective individual enclosures.

39. The housing system of claim 35 wherein said computer control unit controls electrical power to a water heater of respective individual enclosures in programmed manner.

40. The housing system of claim 35 wherein said computer control unit controls electrical power to a sump pump in a sump chamber of respective individual enclosures in programmed manner.

41. Combination of a building and a plurality of modular living enclosures as set forth in any one of claims 1-34 assembled in said building.

42. Combination of a building and a housing system as set forth in any one of claims 35-40 assembled in said building and connected to building water service, sewer service and electrical service.

43. A method of making a living enclosure for occupancy by a molded plastic enclosure sections to define an enclosure floor, four side walls, a top wall and a door opening into said enclosure, at least one of said enclosure sections being molded to form a bathroom fixture, connecting said bathroom fixture to a building water service, connecting a discharge conduit of said bathroom fixture to a building sewer service, and connecting building electrical service to a lighting fixture on said enclosure.

44. The method of claim 43 wherein said building water service is connected to a toilet of said enclosure.

45. The method of claim 44 wherein said building electrical service is connected to a waster disposal connected to said toilet.

46. The method of claim 44 wherein said building water service is connected to a washbasin of said enclosure.

47. The method of claim 44 wherein said building sewer service is connected to a discharge conduit of said toilet.

48. The method of claim 46 wherein said building sewer service is connected to a drain conduit of said washbasin.

49. The method of claim 43 wherein said building electrical service is connected to a ventilation fan on said enclosure.

50. The method of claim 43 wherein said building electrical service is connected to a camera on said enclosure.